



10982031-1

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Shirley Lee et al.

Serial No.: 09/702,185

5 Filing Date: October 30, 2000

Title: INK AND UNDERPRINTING FLUID COMBINATIONS WITH  
IMPROVED INKJET PRINT IMAGE COLOR AND STABILITY

#15/250  
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NOV 20 2002

TC 1700

10 **DECLARATION UNDER 37 CFR §1.132**

I, Shirley Lee, am the primary inventor in the above-referenced application. Over several years working in the research and development of inkjet ink at HP, I have become very familiar with various inkjet inks along with their use in combination with underprinting and/or overprinting fixers. In the course of my work, I have also  
15 interacted with researchers from other companies in the inkjet field and am reasonably familiar with the additives developed and used in both inkjet ink and underprinting fixer in the inkjet field outside of HP.

I am familiar with U. S. Patent No. 5,889,083 (Zhu) and the related EPO 735120  
20 provided by the Examiner. Zhu et al uses an anionic dye or pigment and a wax with an anionic styrene-copolymer as a binder to bind the ink with the wax onto, preferably, a non-porous media, but also onto porous media, giving the ink improved scratch and rub resistance. This application also utilizes the binding or film forming property of styrene-copolymer with the wax. EPO 735120 uses an anionic dye or pigment, with  
25 anionic styrene-copolymer as a binder to bind the ink (without wax) onto, preferably, a non-porous media, but also onto porous media, giving the ink greater adhesion and water resistance.

In contrast, the present application has anionic colorant (dye or pigment), with anionic  
30 styrene-copolymer to bind with the cationic underprinting fluid. We achieve enhanced chroma by binding the anionic dye/pigment and anionic copolymer with the cationic underprinting fluid.

IN THE  
UNITED STATES PATENT AND TRADEMARK OFFICE

Inventor(s): Shirley Lee et al

Confirmation No.: 1662

Application No.: 09/702185

Examiner: C. Shosho

Filing Date: Oct 30, 2000

Group Art Unit: 1714

Title: Ink And Underprinting Fluid Combinations With Improved Inkjet Print Image Color And Stability

COMMISSIONER FOR PATENTS  
Washington, D.C. 20231

TRANSMITTAL LETTER FOR RESPONSE/AMENDMENT

Sir:

Transmitted herewith is/are the following in the above-identified application:

- (X) Response/Amendment  
( ) New fee as calculated below  
(X) No additional fee (Address envelope to "Box Non-Fee Amendments")  
( ) Other: \_\_\_\_\_ (fee \$ \_\_\_\_\_)
- ( ) Petition to extend time to respond  
(X) Supplemental Declaration

CLAIMS AS AMENDED BY OTHER THAN A SMALL ENTITY						
(1) FOR	(2) CLAIMS REMAINING AFTER AMENDMENT	(3) NUMBER EXTRA	(4) HIGHEST NUMBER PREVIOUSLY PAID FOR	(5) PRESENT EXTRA	(6) RATE	(7) ADDITIONAL FEES
TOTAL CLAIMS		MINUS		= 0	X \$18	\$ 0
INDEP. CLAIMS		MINUS		= 0	X \$84	\$ 0
[ ] FIRST PRESENTATION OF A MULTIPLE DEPENDENT CLAIM					+ \$280	\$ 0
EXTENSION FEE	1ST MONTH \$110.00	2ND MONTH \$400.00	3RD MONTH \$920.00	4TH MONTH \$1440.00		\$ 0
OTHER FEES						\$
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT						\$ 0

Charge \$ 0 to Deposit Account 08-2025. At any time during the pendency of this application, please charge any fees required or credit any overpayment to Deposit Account 08-2025 pursuant to 37 CFR 1.25. Additionally please charge any fees to Deposit Account 08-2025 under 37 CFR 1.16 through 1.21 inclusive, and any other sections in Title 37 of the Code of Federal Regulations that may regulate fees. A duplicate copy of this sheet is enclosed.

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, Washington, D.C. 20231.

Date of Deposit: *10/19/02*

Typed Name: **W. Bradley Haymond**

Signature: *W. Bradley Haymond*

Respectfully submitted,

**Shirley Lee et al**

By *W. Bradley Haymond*

**W. Bradley Haymond**

Attorney/Agent for Applicant(s)

Reg. No. **35,186**

Date: *10/19/02*



Patent Application

IN THE UNITED STATES PATENT  
AND TRADEMARK OFFICE#11  
10/19/02  
KJ

5 In re application of: Shirley Lee et al. Today's Date: 10/19/02  
Serial No.: 09/702,185 Examiner: C. Shosho  
Filing Date: October 30, 2000 Group Art Unit: 1714  
Title: Ink and Underprinting Fluid Combinations with  
Improved Inkjet Print Image Color and Stability

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ASSISTANT COMMISSIONER FOR PATENTS  
WASHINGTON, DC 20231

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## AMENDMENT

File to  
center

C.S.

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OCT 16 2002  
10/25/02

Dear Sir:

20 Please consider the following remarks and the attached documents:

Remarks

Reconsideration is respectfully requested.

25

Claims 1-17, 21-27, 30, 32, and 34-57 are pending. Claims 1-16 and 34-49 are  
withdrawn from consideration. Claims 18, 19, 20, 28, 29, 31 and 33 have been  
canceled.

30 Claims 17, 21-27, 30, 32, and 50-57 stand rejected under 35 U.S.C. 102(e) as  
being anticipated by Kabalnov (U.S. 6,261,350 taken in view of the evidence given  
in Prasad (U.S. 5,196,056).

35 Applicants assert that Kabalnov is not a proper reference under § 102(e) against  
the presently claimed invention because applicants invented the presently claimed  
invention before the date that Kabalnov was filed in the U.S. Patent Office. Appli-